



# FEMA



Prepared by:  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Thursday, July 19, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

## Today

- **Dangerous Heat** for much of **TX, OK, LA, and AR.**
- **Isolated strong to severe storms NE AR.** Main threat wind and hail.
- **Isolated heavy rain/flash flooding over SW NM.**
- **Elevated Fire Weather Threat** for portions of west/central/north TX.

## Friday - Monday

- **Dangerous Heat** continues through the weekend for much of **TX, OK, LA, and AR.**
- **Elevated Weather Threat** expands on **Friday** across **TX, SW OK, and E NM.**
  - Some fire starts are likely to continue through the weekend with the very hot & dry conditions.
- **Isolated heavy rain/flash flooding possible** in western/northern NM.

## Tropical Outlook

- **No new tropical cyclones** are expected during the next five days.

# FEMA Region 6 Threat Matrix

July 19, 2018 – July 23, 2018



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DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms	Northeast AR				
Heavy Rain / Flash Flooding	SW NM	west/north NM		west/north NM	west/north NM
Heat	west central into north central TX	west central into north central TX	west central into north central TX	west central into north central TX	west central into north central TX
	Much of TX/OK/AR/LA	Much of TX/OK/AR/LA	Much of TX/OK/AR/LA	Much of TX/OK/AR/LA	Much of TX/OK/AR/LA
Fire Weather	Portions of west/central/north TX	TX, SW OK, E NM	TX, SW OK, E NM	TX, SW OK	
Tropical Weather					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

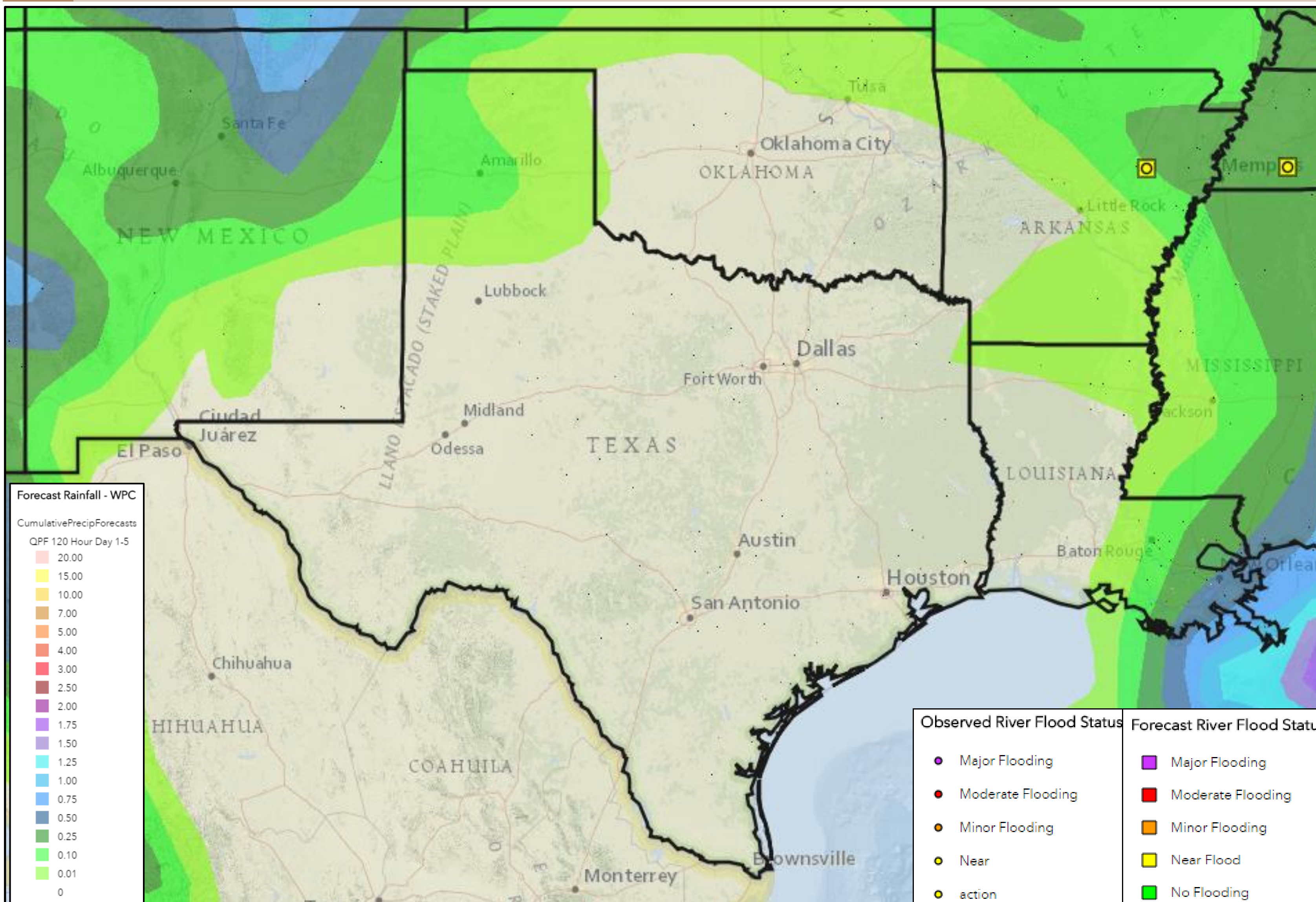


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



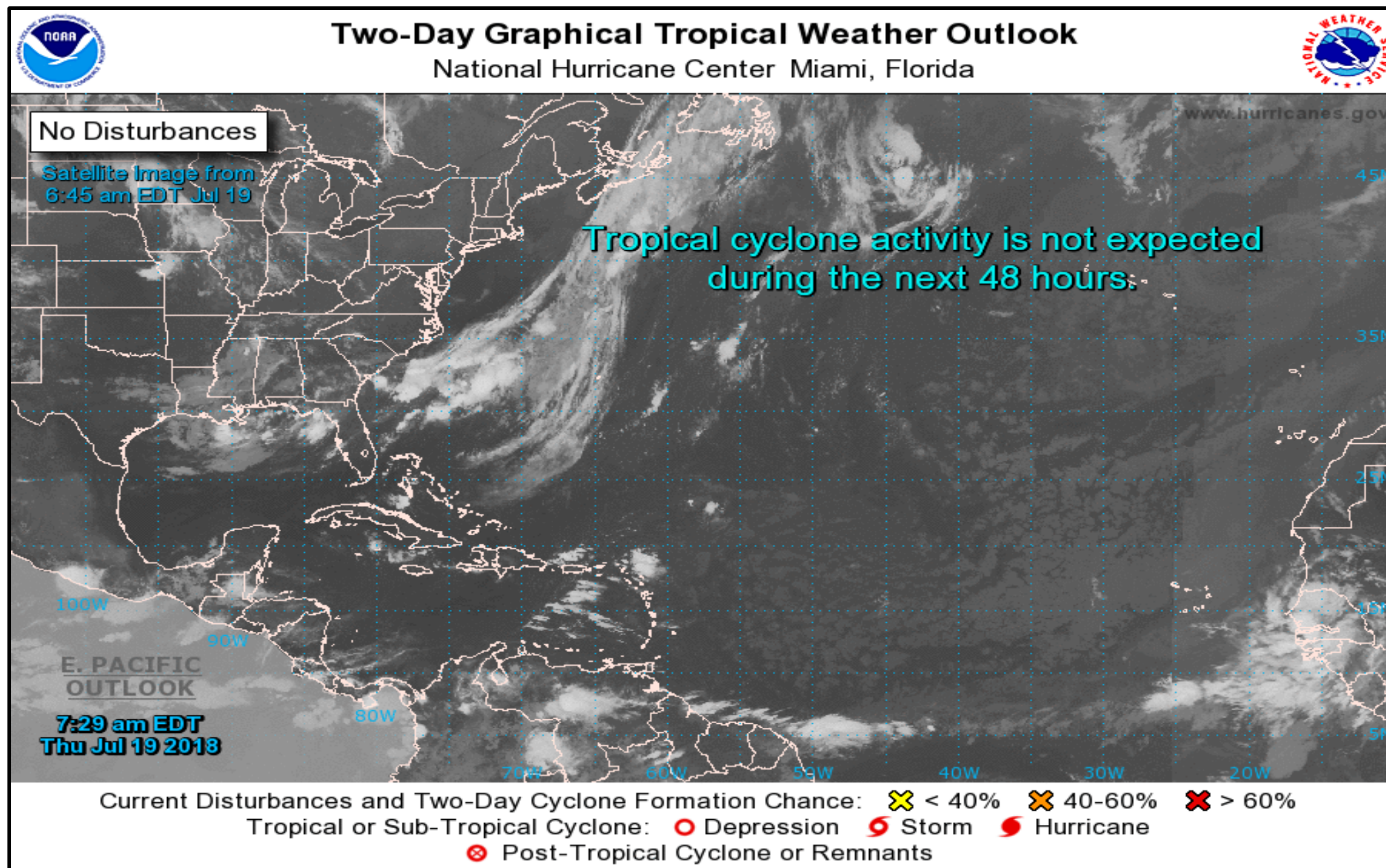
**No river flooding is observed or forecast.**



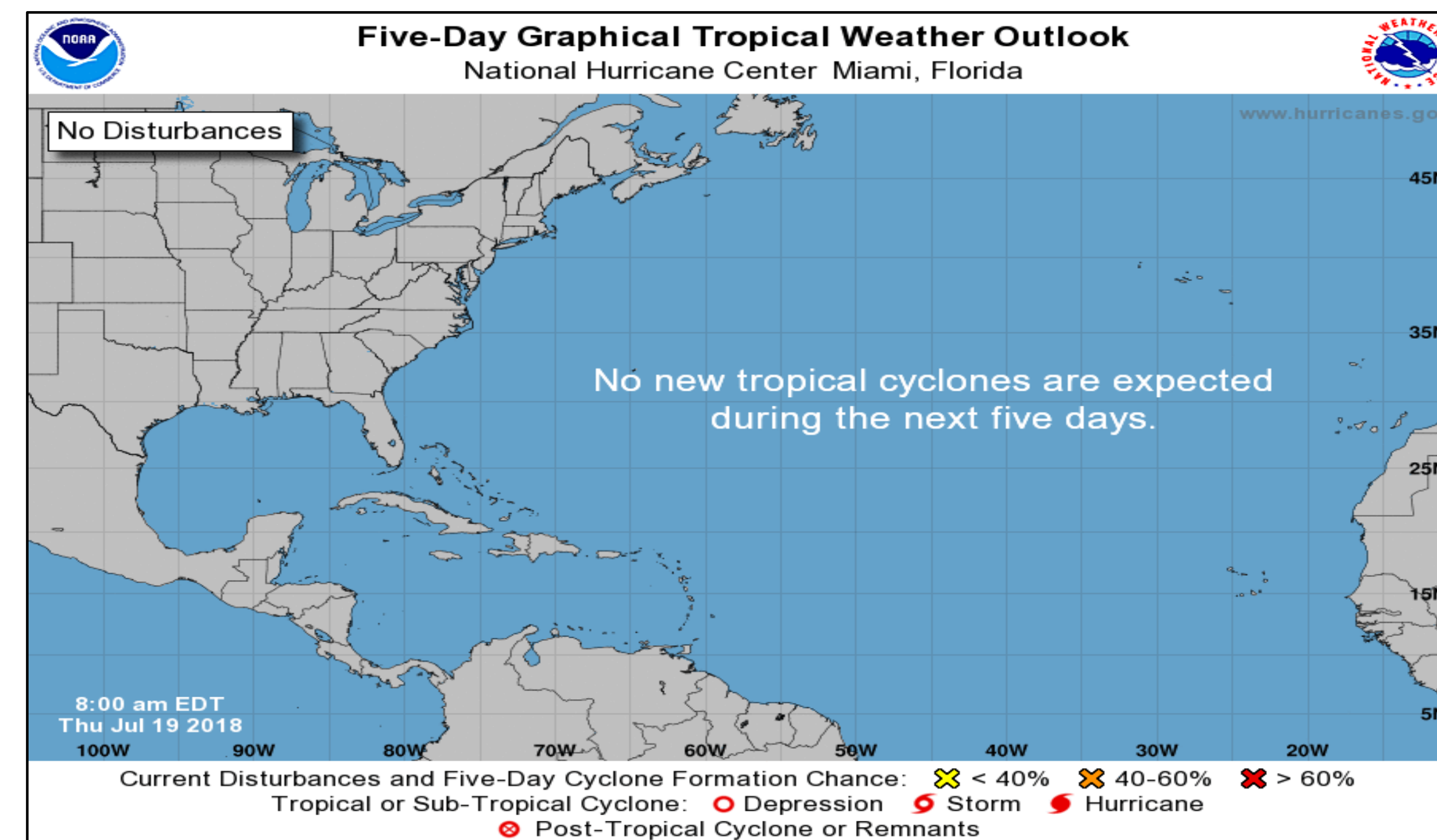
# Tropical Weather Outlook – Atlantic/Gulf



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**No new tropical cyclones are expected during  
the next five days.**



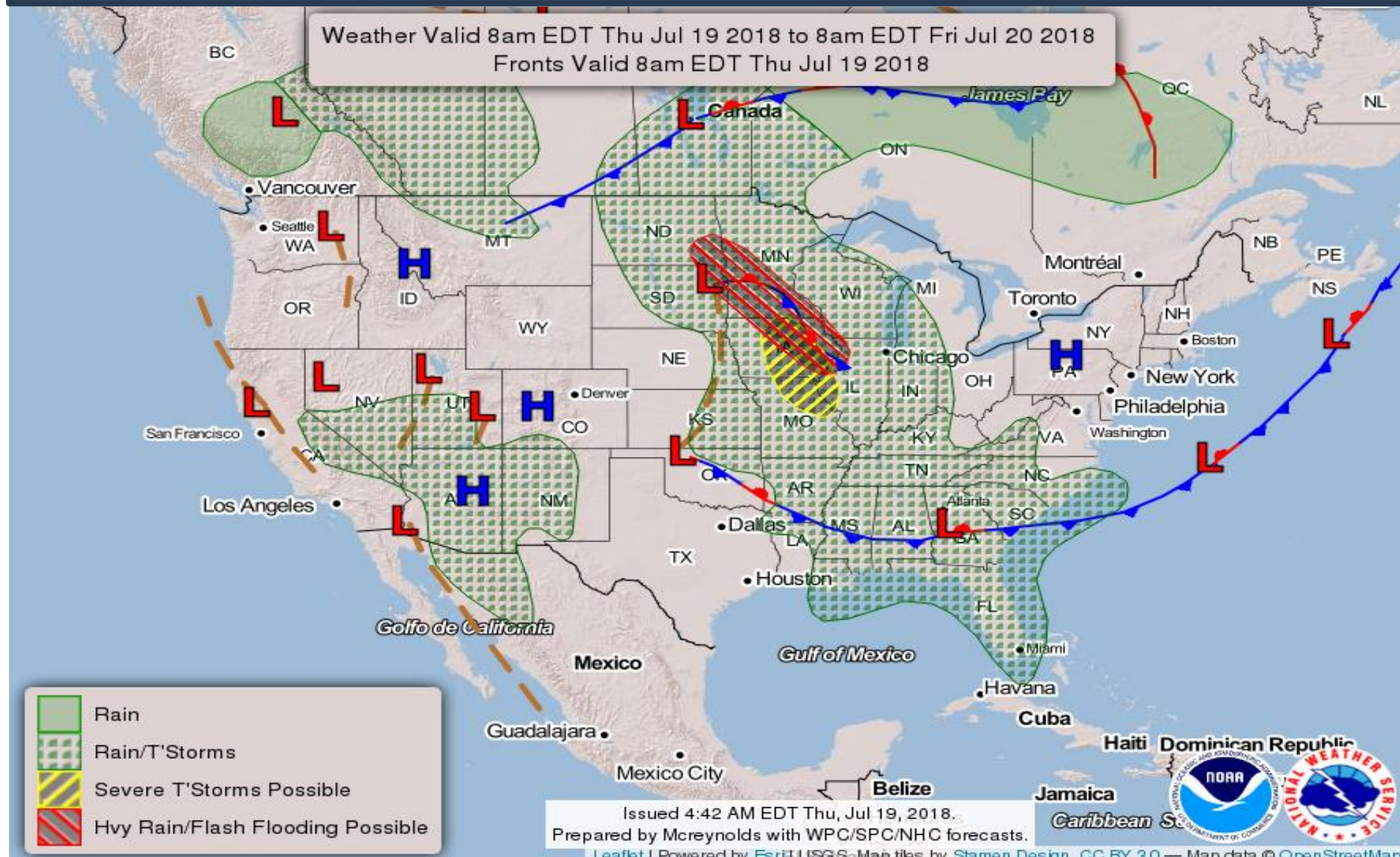


# Today's Weather



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## Forecast Chart



## Forecast Rainfall



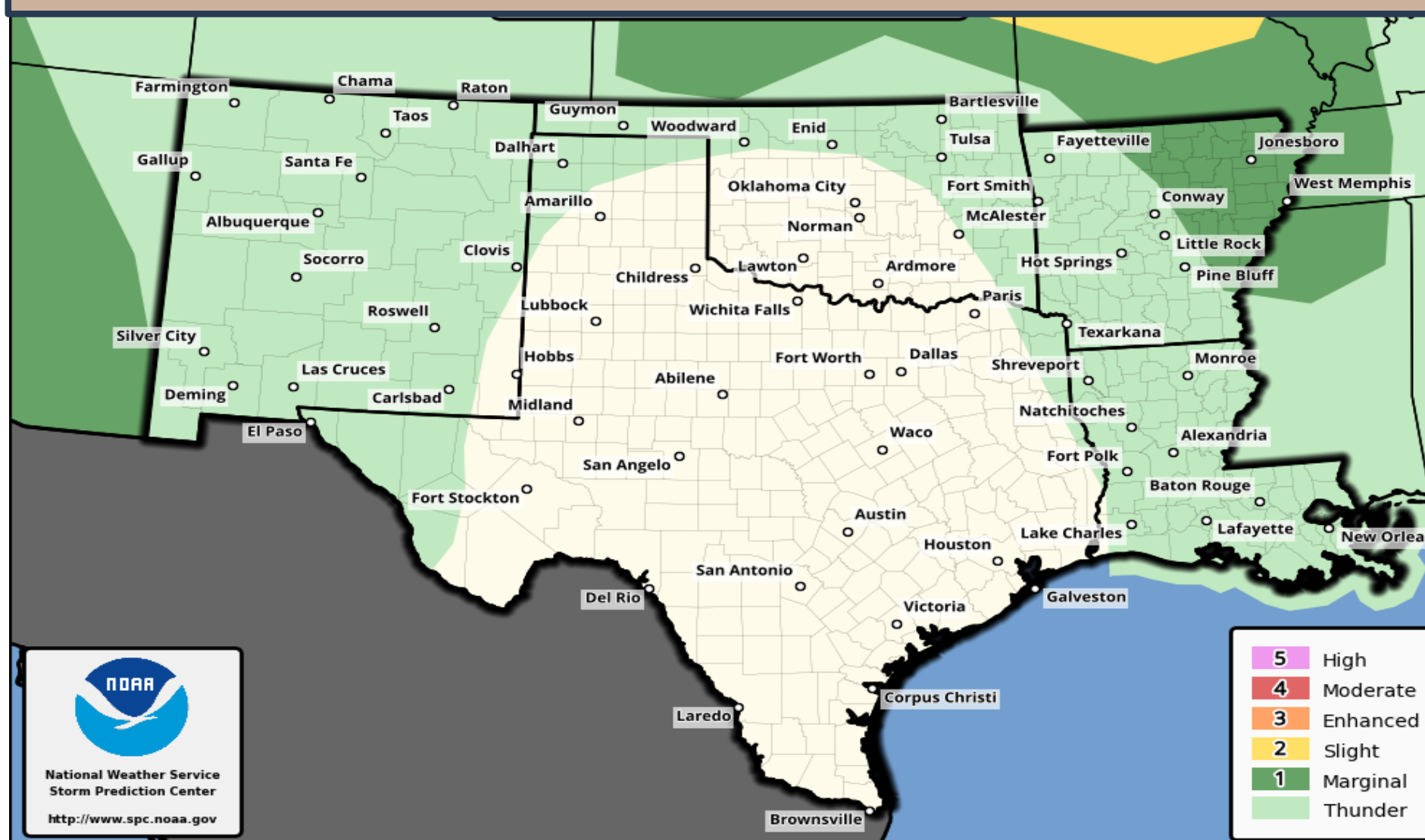
**Dangerous Heat for much of TX, OK, LA, AR.**

**Isolated strong to severe storms Northeast AR.**

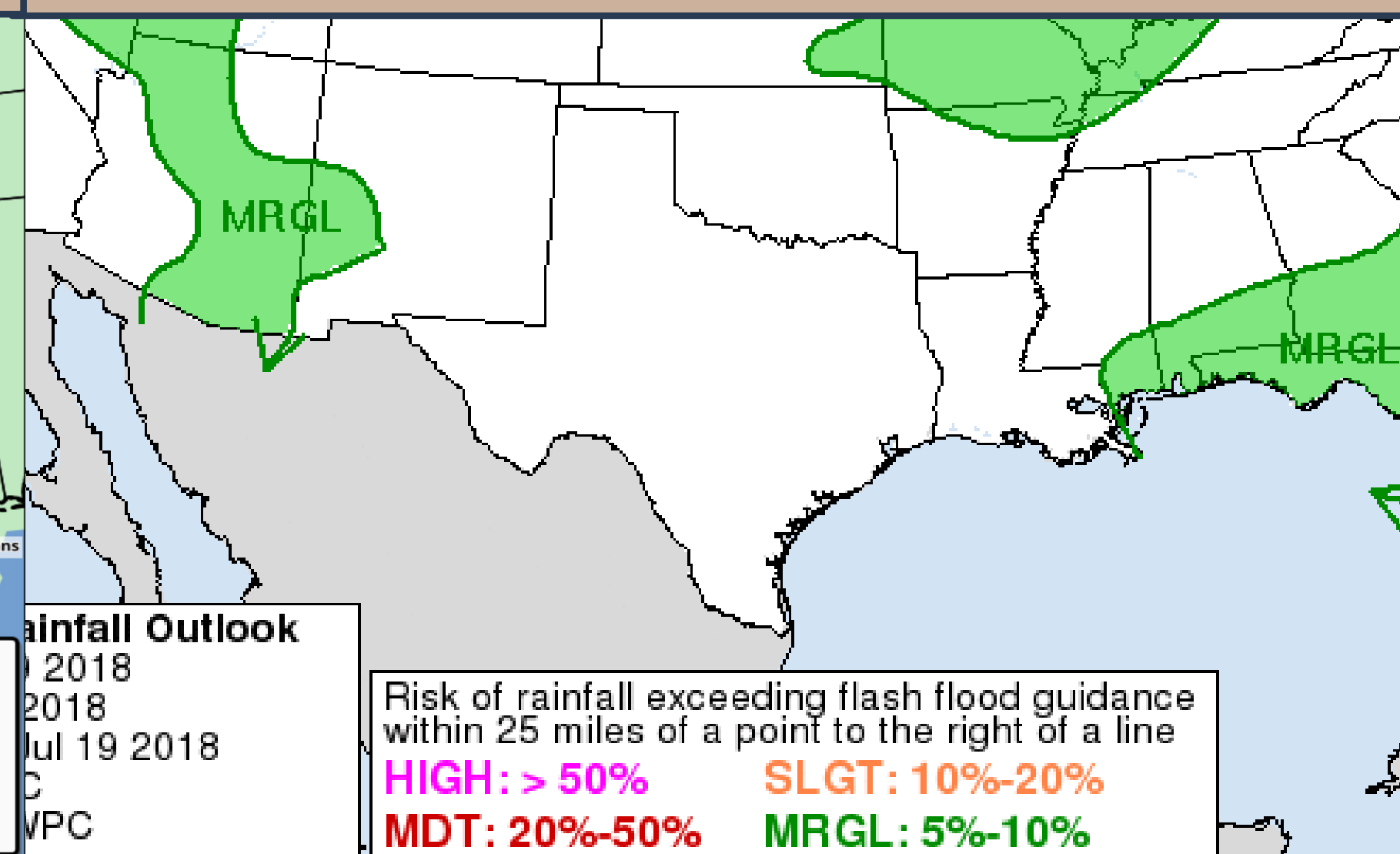
**Isolated heavy rain/flash flooding for SW NM.**

**Elevated Fire Weather Threat for portions of west/central/north TX.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



Rainfall Outlook  
2018  
Jul 19 2018  
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line  
**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**



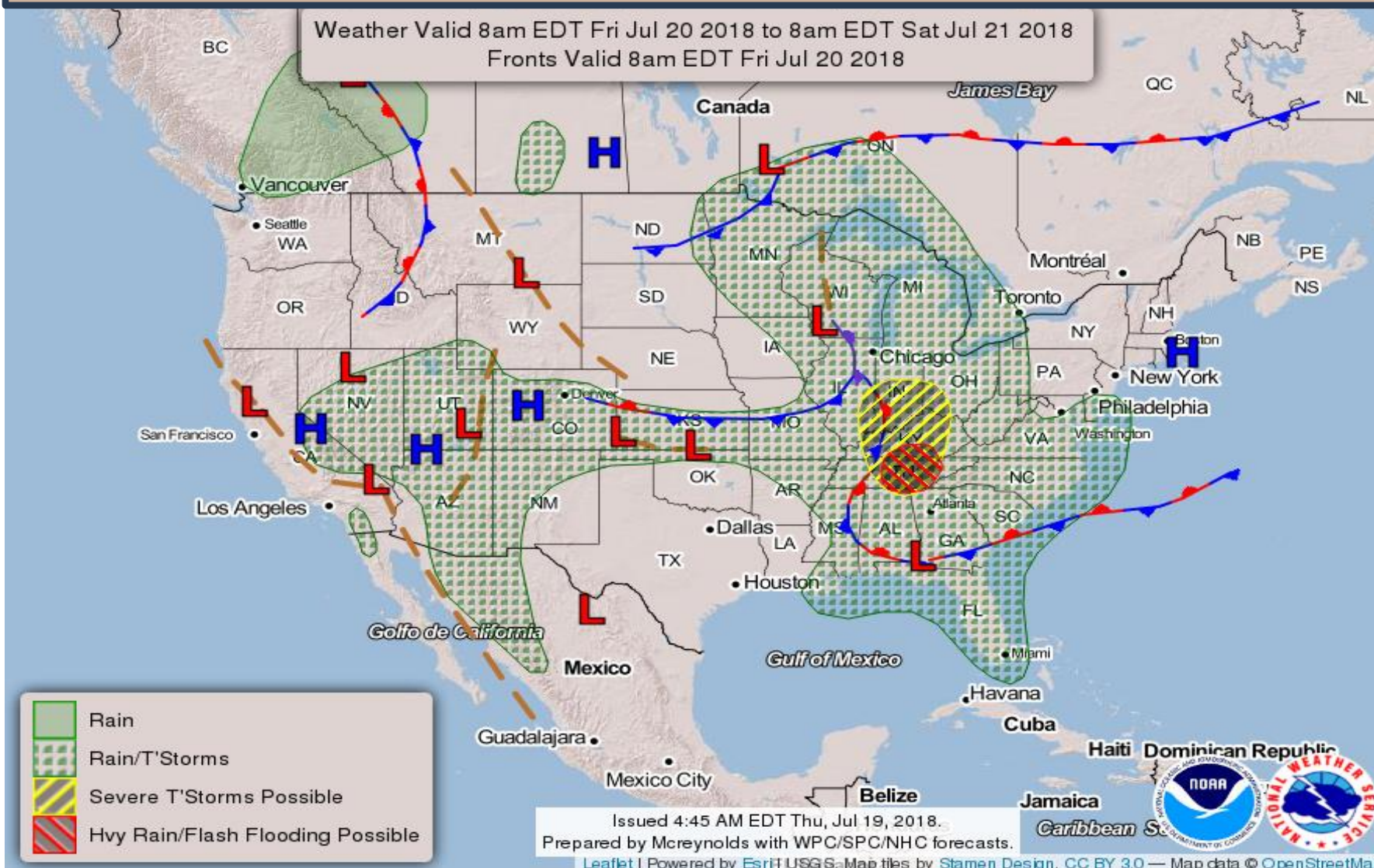


# Tomorrow's Weather



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## Forecast Chart



## Forecast Rainfall

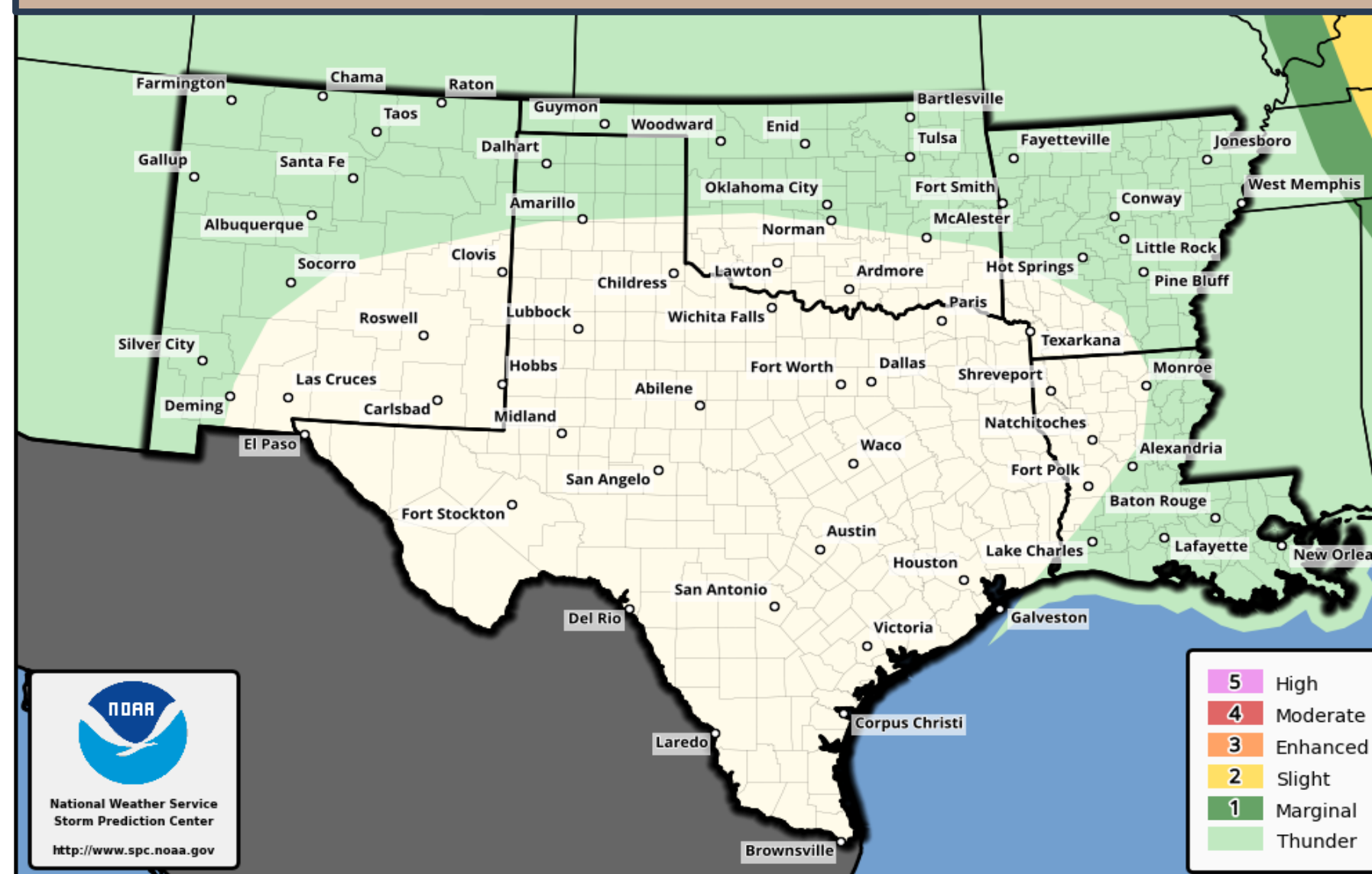


**Dangerous Heat for much of TX, OK, LA, AR.**

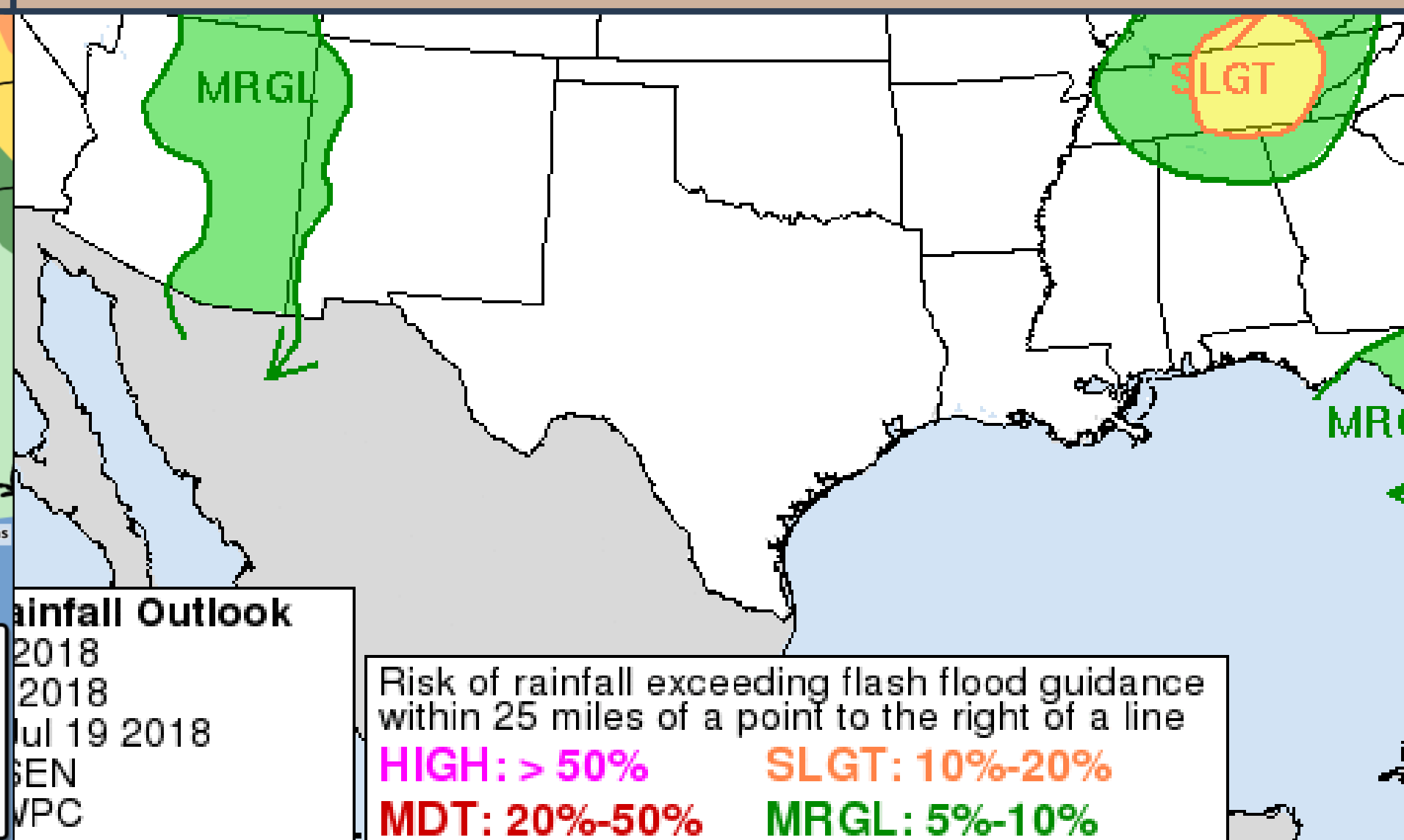
**Isolated heavy rain/flash flooding for western NM.**

**Elevated Weather Threat expands on Friday across TX, SW OK, and E NM.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



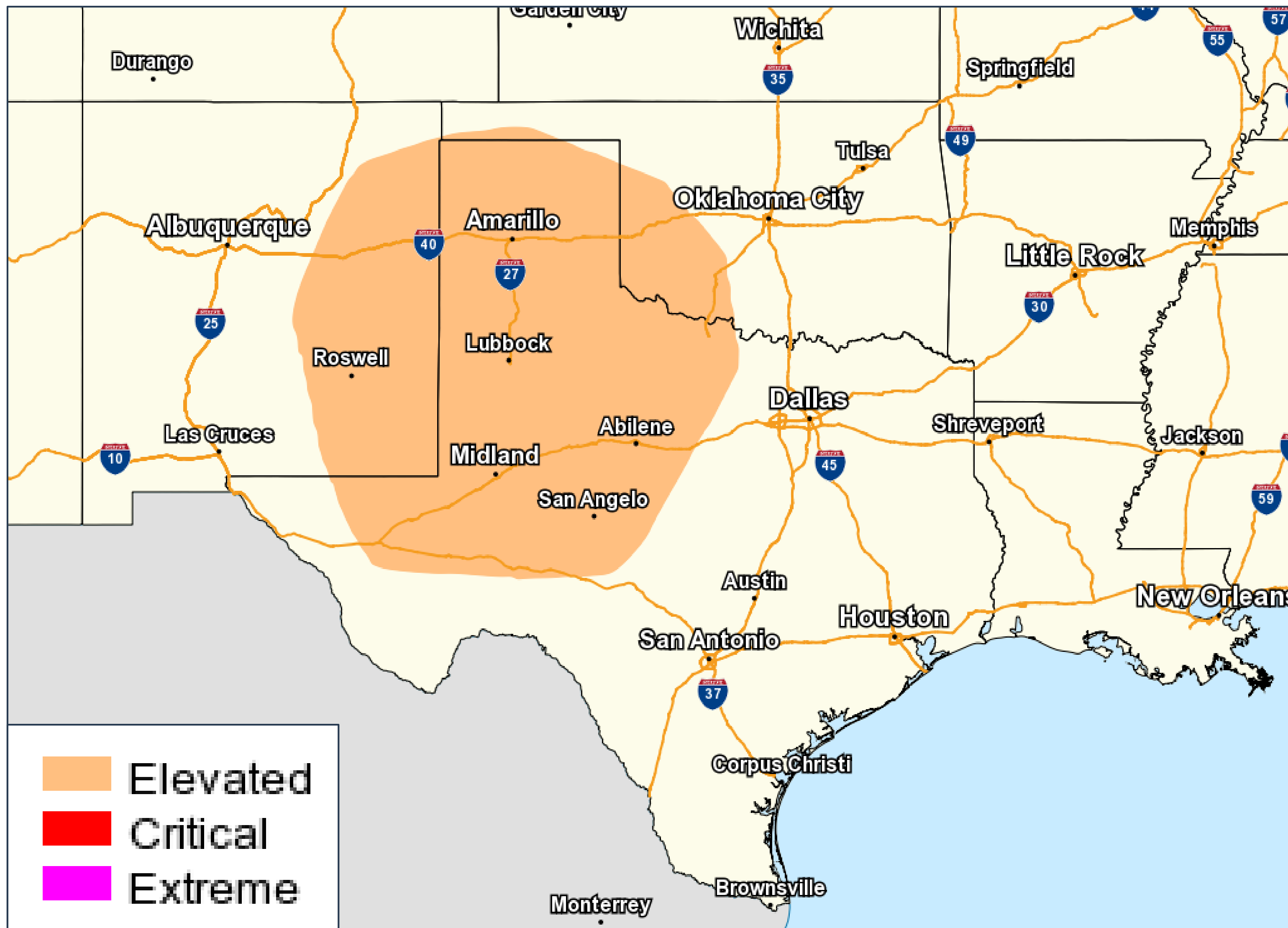
Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line  
**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**



# Tomorrow's Fire Weather Outlook



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**Elevated Weather Threat expands on Friday across TX, SW OK, and E NM.**



# Saturday's Weather



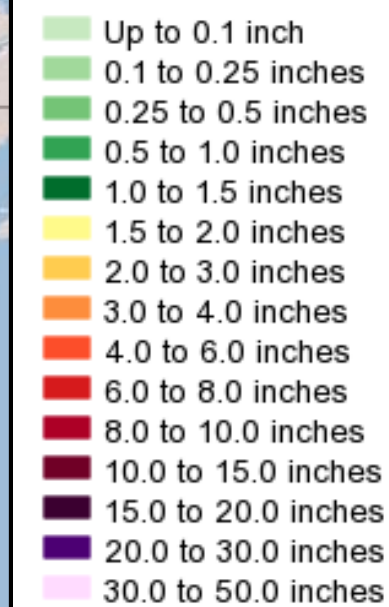
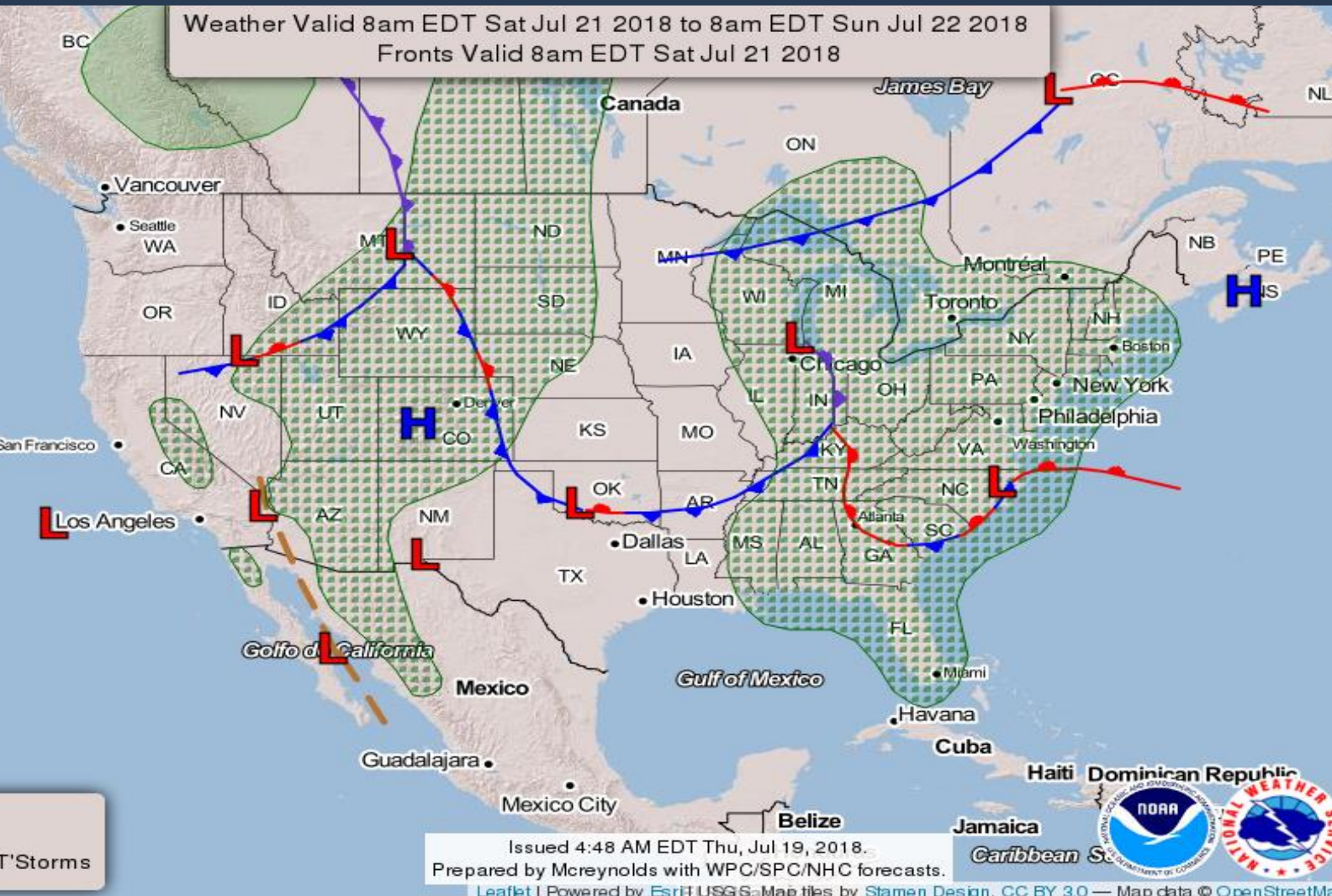
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## Forecast Chart

## Forecast Rainfall

**Dangerous Heat for much of TX, OK, LA, AR.**

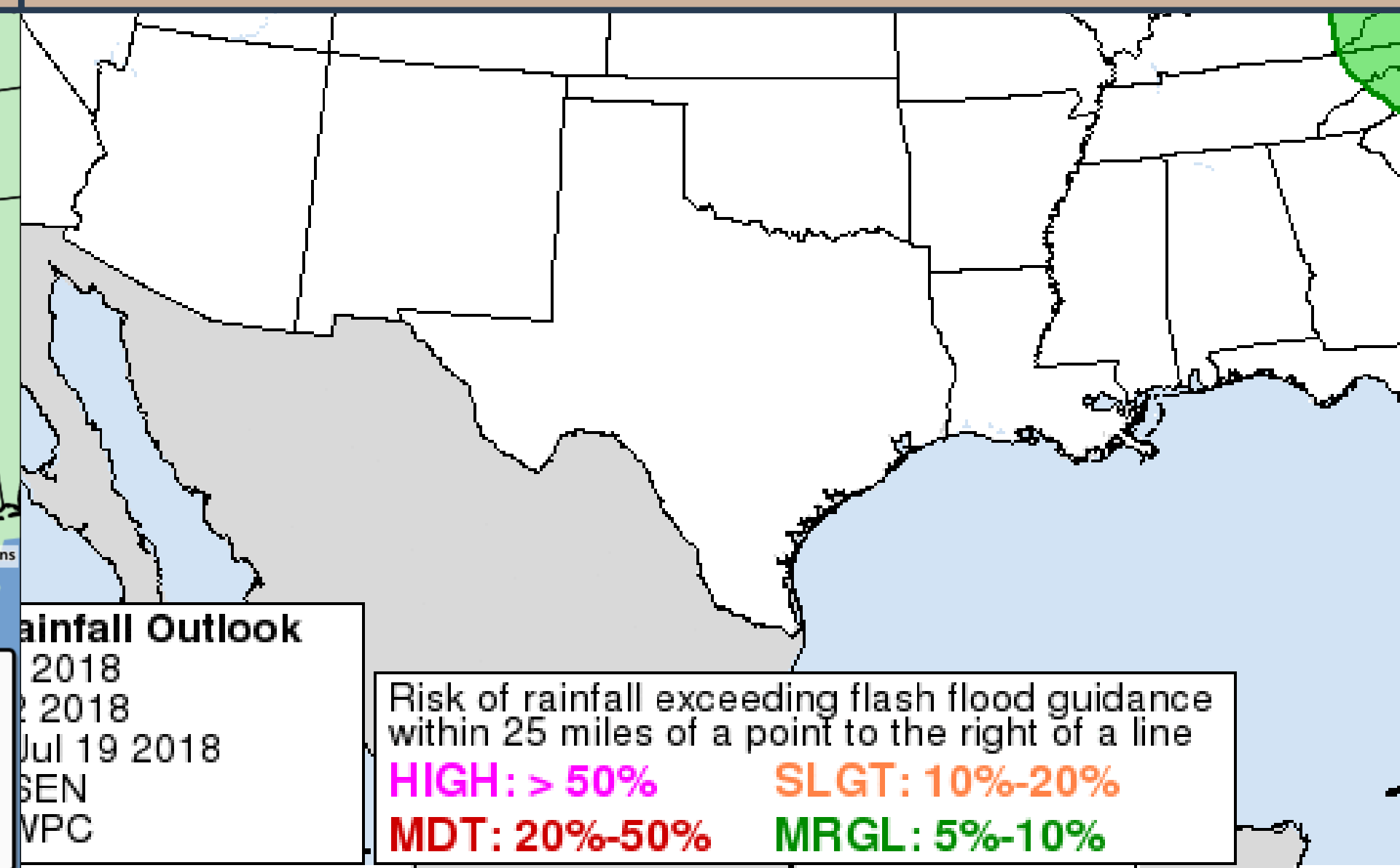
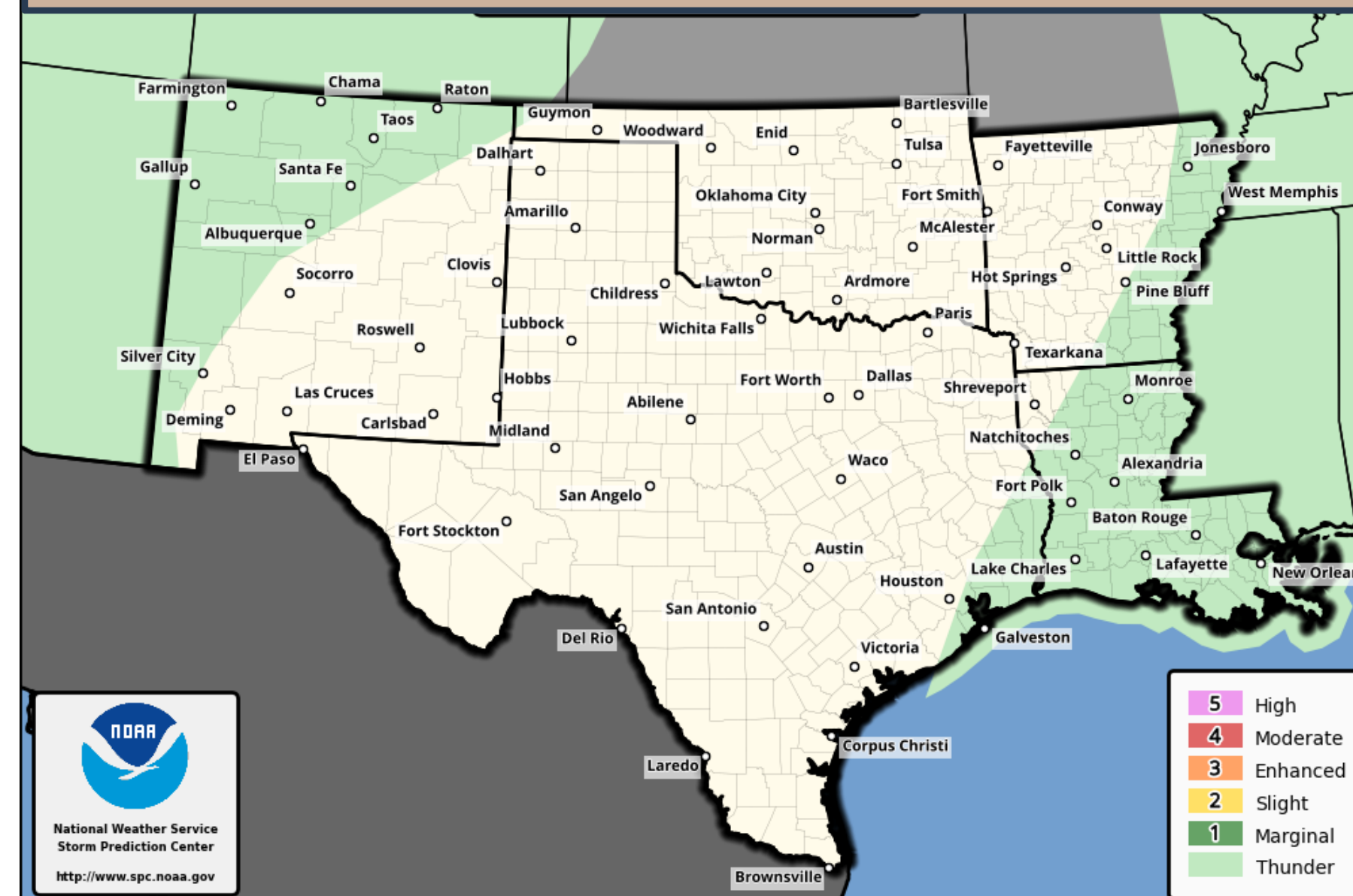
**Elevated Weather Threat continues across TX, SW OK, and E NM.**



Graphic Created  
July 19th, 2018

## Severe Weather Outlook

## Excessive Rainfall Outlook



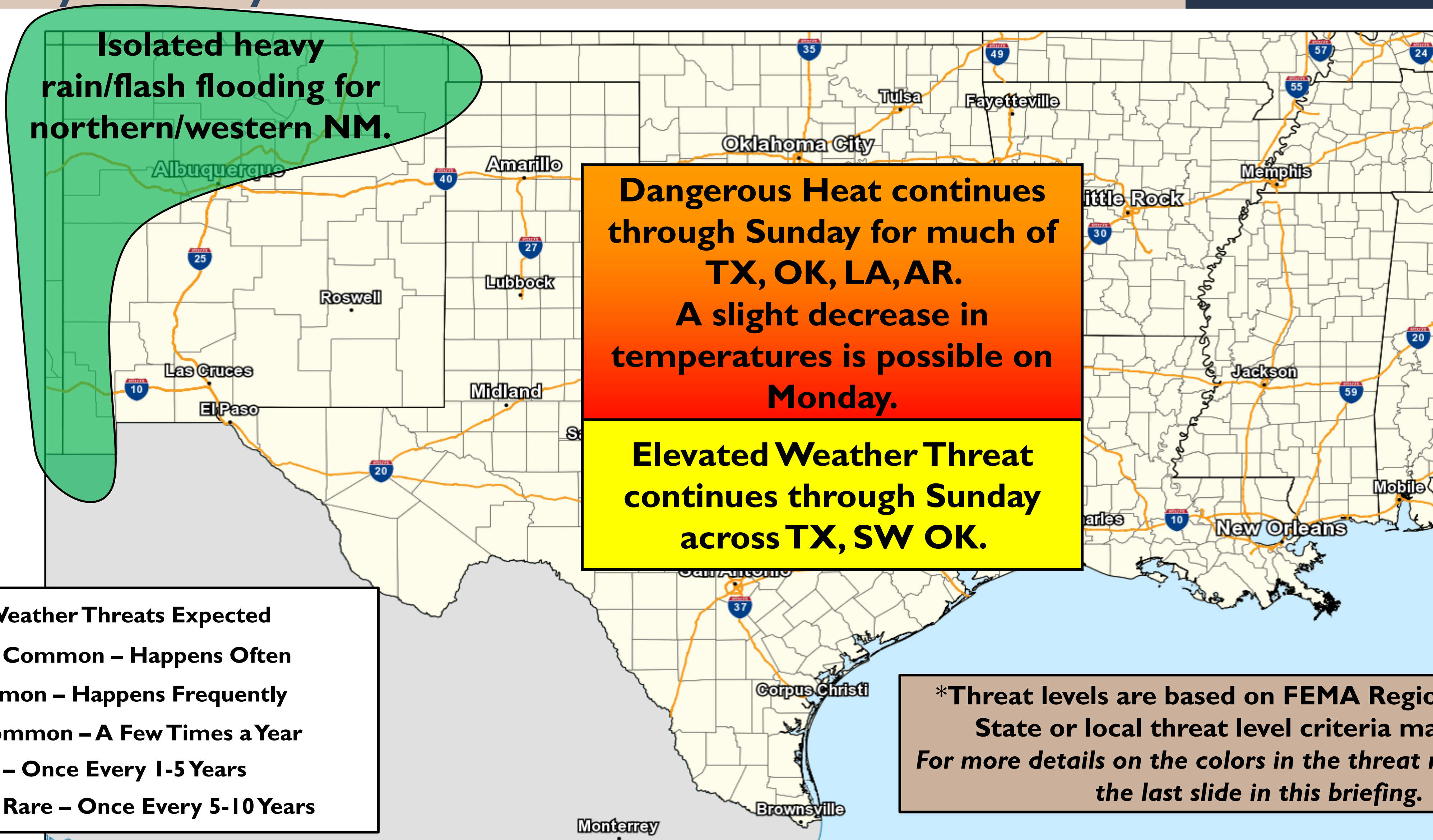


# Days 4-5 Weather Hazards

Sunday - Monday



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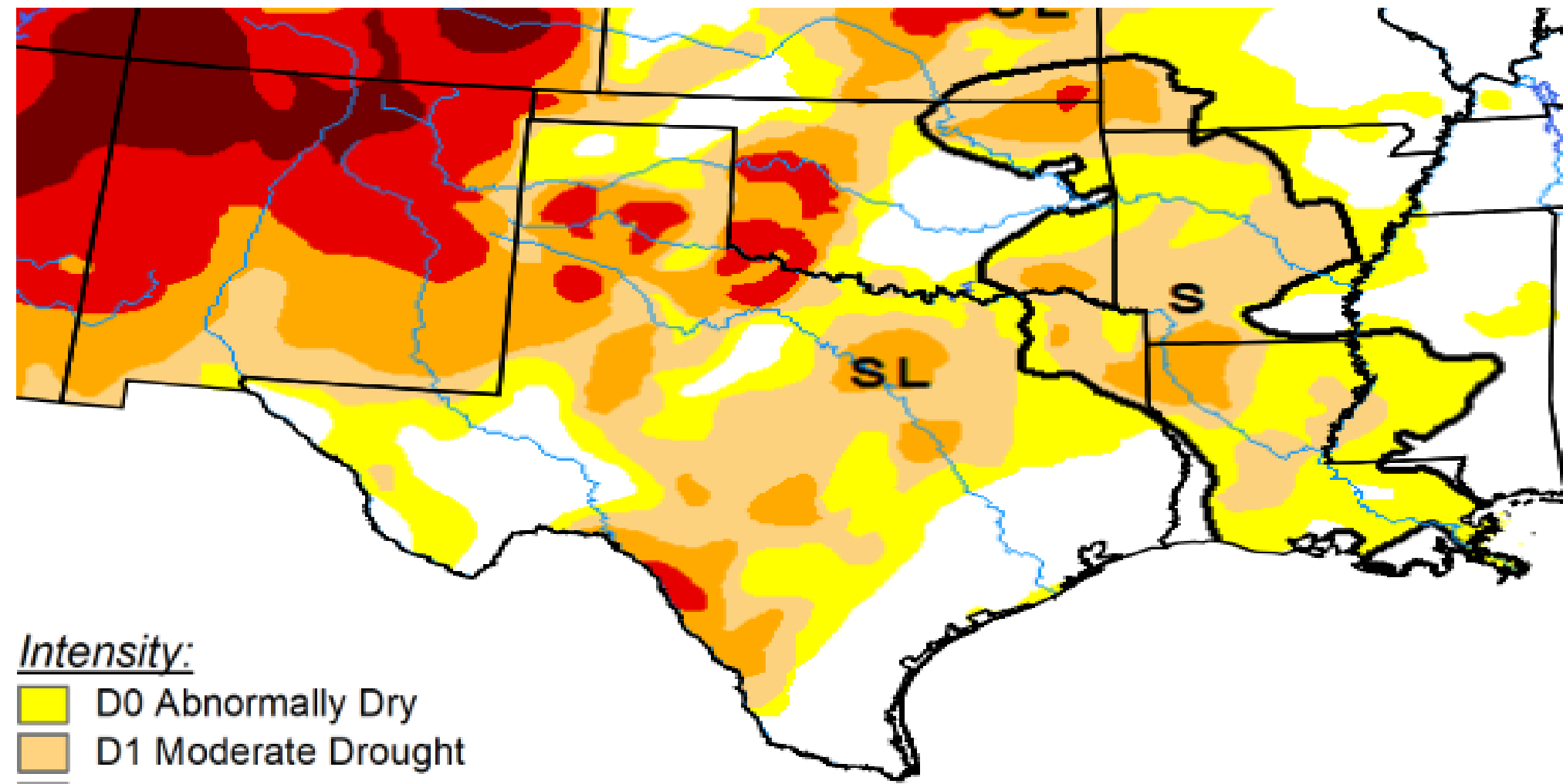
# Drought Monitor (Released July 19, 2018)



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Data valid as of 7am CDT, Tuesday, July 17, 2018

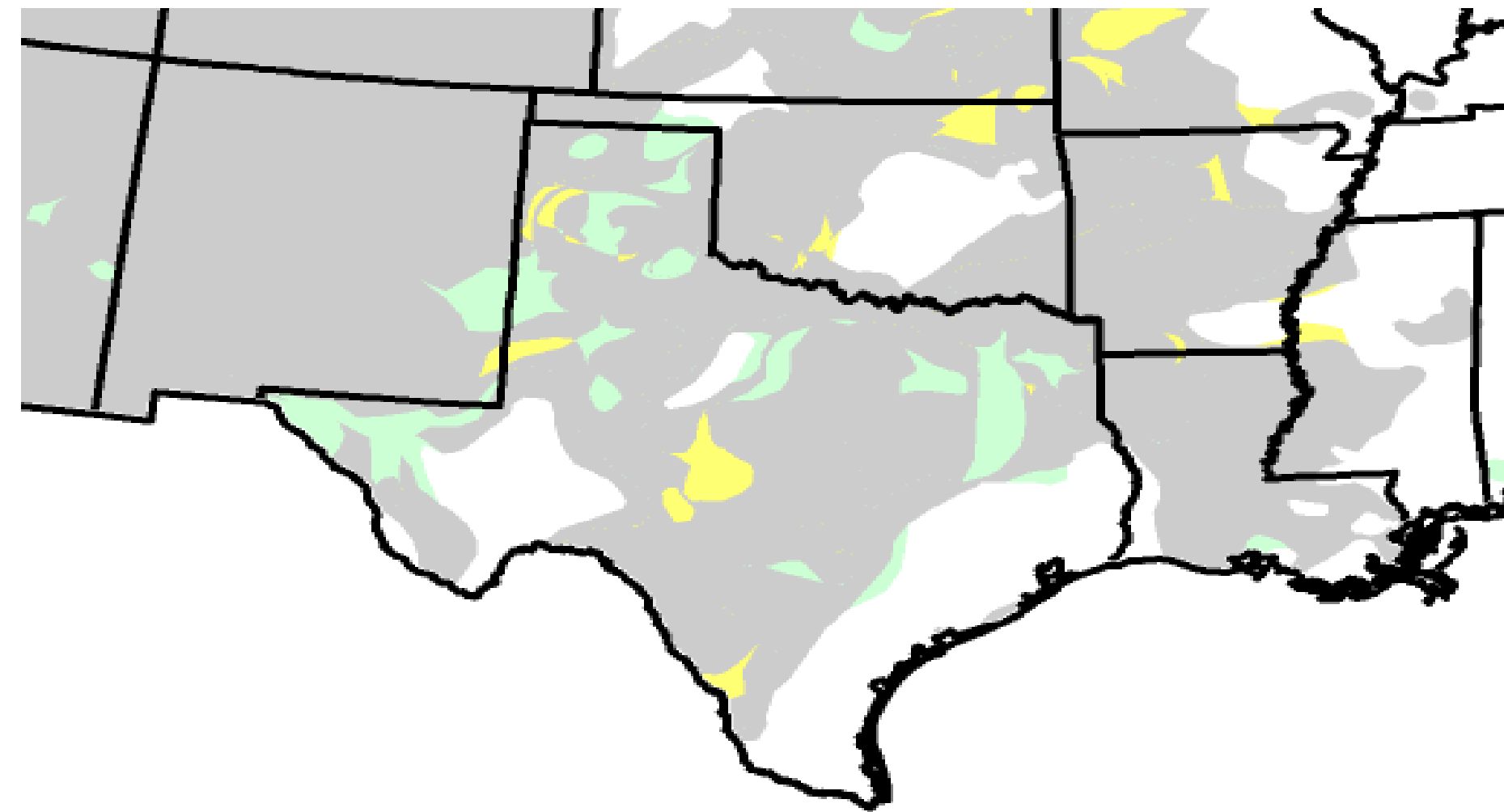
## Drought Monitor



### Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

## One Week Change in Drought



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	9.04%	8.81%	35.54%	0.00%
Texas	3.38%	4.95%	13.70%	0.00%
New Mexico	55.15%	57.68%	45.97%	0.00%

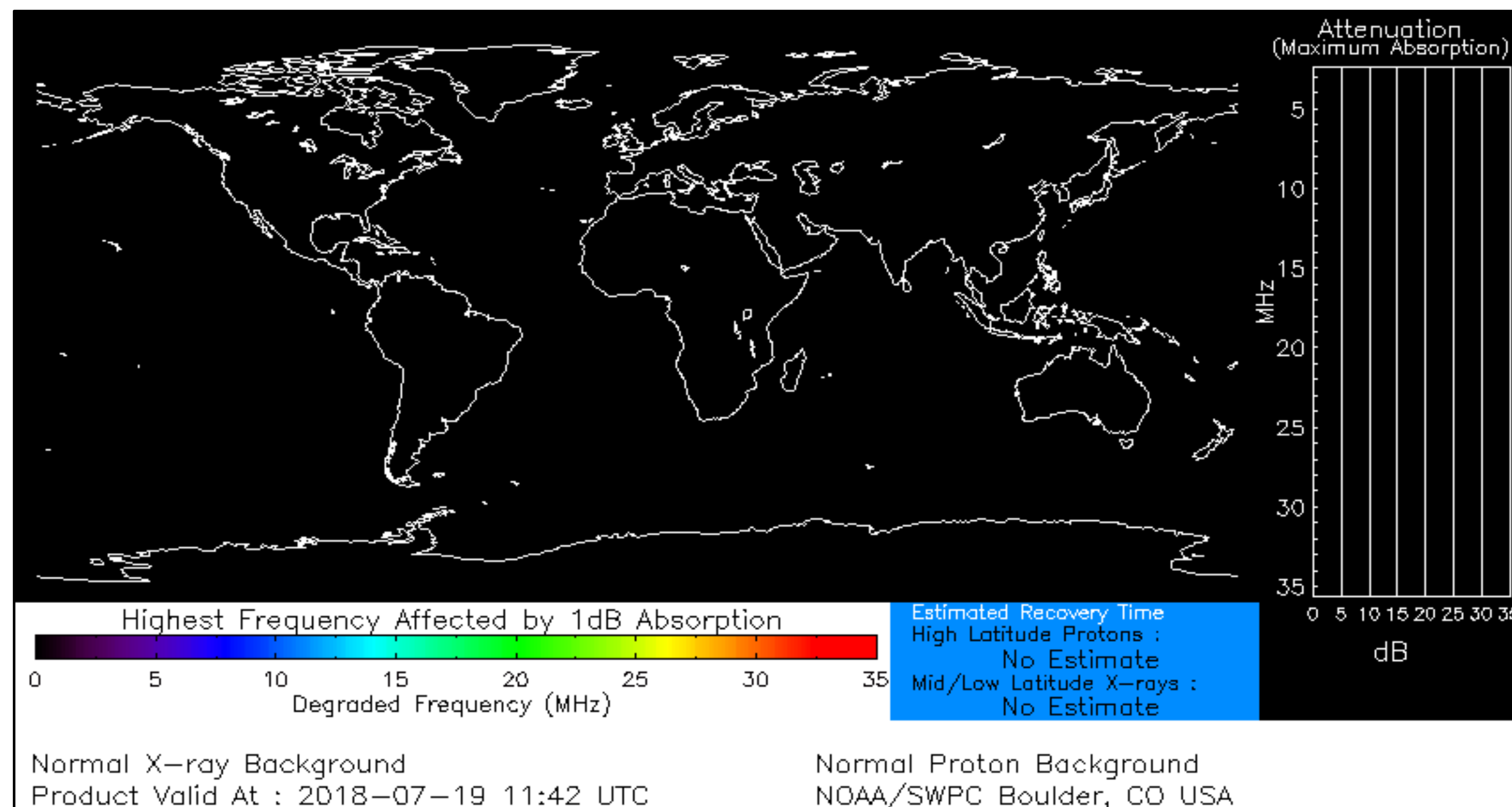


# Space Weather 3-Day Forecast



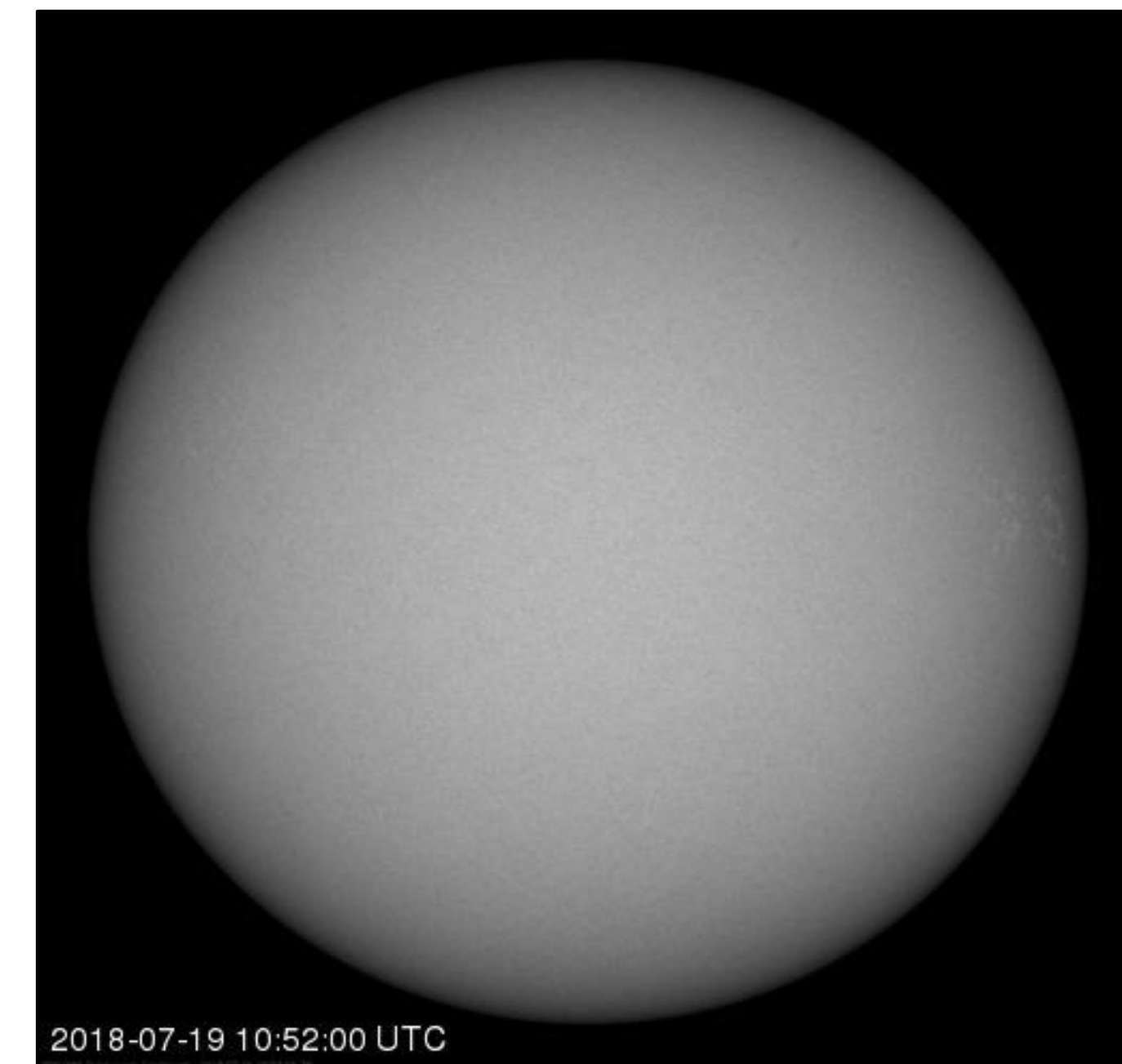
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	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Unsettled to Active (Max Kp = 4)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**